

Applicants: Riff et al.
Serial No. 09/943,193
Page 2

CLAIMS:

1. (Original) An internet-based method for a paid service to maintain data connectivity of a remote medical device-configured patient to a database network and to enable medical device data exchange and processing, comprising the steps of:
receiving in a substantially continuous manner at a database network site first data inputs uniquely representative of sensed physiologic information from a specific medical device configuration of a patient using said medical device configuration;
enabling the database network site to communicate with at least one web-enabled web-site and to receive web-site originated signals requesting access to representations of said first data inputs from said database; and
monitoring data packages to determine revenue for the service.
2. (Original) The service method of claim 1 further including the step of providing said web-site and configuring said web-site with a user interface which includes a sign-in input to enable access to said database network site.
3. (Original) The service method of claim 1 in which the receiving step includes receiving at least one signal carrying information representing sensed physiologic status within the patient from at least one medical device located on or at least partially in the patient's body.
4. (Original) The service method of claim 1 in which the receiving step includes receiving signals carrying information representing actual physiologic phenomenon within the patient as sensed by at least one medical device located on or at least partially in the patient's body.
5. (Original) The service method of claim 1 in which the receiving step includes receiving signals carrying information representing actual physiologic phenomenon

Applicants: Riff et al.
Serial No. 09/943,193
Page 3

within the patient as sensed by a plurality of medical devices located on or at least partially in the patient's body.

6. (Original) The service method of claim 1 in which the enabling step comprises providing a secure sign-in and validating an originator's security-related action prior to allowing access of the originator to the database information.

7. (Original) The service method of claim 1 in which the first data inputs provides intermediate information to enable further production of data representations enabling subsequent actions.

8. (Currently Amended) An internet-based method for a paid service to maintain connection of a remote implantable medical device configured patient to a database network and for medical device data exchange and processing comprising the steps of:

providing a web-site in a web-enabled system, the web-site having a user interface which includes a sign-in input to enable access to a database network site associated with said web-enabled system;

receiving in a substantially continuous manner at the database network site first data inputs uniquely representative of sensed physiologic information from a specific implanted medical device configuration of a patient using said implantable medical device configuration;

receiving at the web-site second data inputs requesting access to representations of said first data inputs available at said database; and

enabling the originator of said second data inputs to have access to the database via the secure web site to view representations of said first data inputs.

9. -11. (Cancelled).

Applicants: Riff et al.
Serial No. 09/943,193
Page 4

12. (Original) The service method of claim 8 in which the enabling step comprises providing a secure sign-in and validating an originator's security-related action prior to allowing access of the originator to the database information.

13. (Original) The service method of claim 8 in which the first data inputs provides intermediate information to enable further production of data representations enabling subsequent actions.

14. – 17. (Cancelled)

18. (Currently Amended) An internet-based method for a paid service to maintain data connectivity of a remote implantable medical device-configured patient to a database network and to enable rapid medical device data exchange and processing of certain conditions, comprising the steps of:

receiving in a substantially continuous manner at a database network site first data inputs uniquely representative of sensed physiologic information from a specific implanted medical device configuration of a patient using said implantable medical device configuration; and

enabling the database network site to communicate with at least one web-enabled web site to automatically deliver representations of said first data inputs from said database when certain conditions are met.

19. (Original) The service method of claim 18 in which the step of enabling includes initiating automatic software analysis of the first data inputs to determine whether any sensed physiologic activity is abnormal.

20. (Original) The service method of claim 18 in which the step of enabling includes initiating automatic software analysis of the first data inputs to determine actual values for any sensed physiologic activity.

Applicants: Riff et al.
Serial No. 09/943,193
Page 5

21. (Original) The service method of claim 18 in which the step of enabling includes initiating automatic software analysis of the first data inputs to determine whether any sensed physiologic activity is indicative of a demonstrable or likely pattern of physiological activity.

22. – 31. (Cancelled)

32. (Original) A computer implemented method for Improved data management in the healthcare industry by increasing patient engagement with recommended healthcare delivery modalities, comprising the steps of:

a. providing an implanted medical device configured for automatic sensing of high relevance biologic data of the patient and transmitting that data, or portions thereof, to an information parser of the healthcare professional;

b. configuring a patient accessible electronic interface to receive signals representative of sensed high relevance biological data of the patient;

c. providing selectively programmable computer implemented rapid interpretations of the sensed high relevance biologic data and, when indicated, electronically sharing with the healthcare professional the details of the sensed high relevance biological data without resort to personal contact or face to face meeting between the healthcare professional and the patient; and

d. providing information flow paths for the healthcare professional to further contribute to the knowledge database and patient engagement by offering the patient and a patient's designated advocate direct information about the high relevance biologic data thereby actively engaging the patient in a highly content rich yet efficient manner.

33. (Currently Amended) A computer implemented internet-based method for an improved connect and monitoring service to rapidly connect remote persons having implantable medical devices to a database network for medical device data exchange and analysis, said method being characterized in that it comprises the steps of:

Applicants: Riff et al.
Serial No. 09/943,193
Page 6

providing a web site having a user interface wherein the user interface includes a secure sign-in input to access a database network site;

receiving at the web-site automatic inputs associated with a specific implanted medical device and user of the device;

automatically confirming the identity of the implanted medical device and the user;

enabling the user to access the database via the web-site to use the service for real time monitoring of high relevance physiologic data mined from all monitored data of the user; and

enabling the database network site to communicate with at least one web-enabled web site and to receive web site originated signals requesting access to the database.

34. (Original) The method of claim 33 wherein said web-site further includes a proxy right access scheme to provide privileged access to a user's data by friends or family as programmed.

35. – 38. (Cancelled)

39. (Currently Amended) A computer implemented patient management network configured for automatically determining which connection protocols to follow to rapidly connect one or more remote persons having implanted medical devices to a database network for medical device data exchange and analysis, said network being characterized in that it comprises:

a web site having a user interface wherein the user interface includes a secure sign-in input protocol to access a database network site;

said web site providing for acceptance of automatic inputs to the web site associated with a specific implanted medical device and user of the device;

processing routines and module for automatically confirming the identity of the implanted medical device and the user; and

Applicants: Riff et al.
Serial No. 09/943,193
Page 7

processing routines and module for performing computer implemented analyses to determine which user groups to rapidly and selectively automatically access the database via the web-site for receipt of high relevance physiologic data mined from all monitored data of the user; and

means for enabling the database network site to communicate with at least one web-enabled web site and to receive web site originated signals requesting access to the database.

40. (Currently Amended) A system for implementing a disease management service for a remote chronic patient with an implantable medical device ~~and/or wearable device~~ wherein the service includes multi-users of data and information exchange systems cooperating to provide the service for continuously managing the chronic patient's disease, health care and medical devices comprising:

a server hosting medical and physiological data collected from the implanted medical device of the patient;

a physician station in data communications with the server;

a health care system information network being in a bi-directional communication with the physician station and further having a data communication with the server;

a disease management organization in bi-directional communications with said health care system information network;

said server including at least one set of database of information concerning the patient

wherein the database is structured to assist the disease management

organization to manage the patient for a fee; and

said server including means for enabling the database to communicate with at least one web-enabled web site and to receive web site originated signals requesting access to the database.

41. – 74. (Cancelled).